

ABSTRACT OF THE DISCLOSURE

Adjustment mechanism for adjustment area of variable-shape flow surface with two opposite skin surfaces includes plurality of whirl chambers swivelably arranged next to one another so that the whirl chambers are swivelable relative to one another, and the whirl chambers include lateral stiffening elements and longitudinal stiffening elements. Joints are structured and arranged to jointedly couple lateral stiffening elements and longitudinal stiffening elements of the whirl chambers, and a first drive tube section and a second drive tube section are arranged between adjacent longitudinal stiffening elements. A pump is coupled to first and second drive tube sections and control device is functionally connected to pump to swivel adjacent whirl chambers around joint axes via complementary volume changes in first and second drive tube sections. The instant abstract is neither intended to define the invention disclosed in this specification nor intended to limit the scope of the invention in any way.